

**WE CLAIM:**

## 1. A heat pipe comprising:

a hollow body having a receiving space and an open end;

5 a cover member covering said open end, said cover member having an inner side facing said receiving space, an outer side opposite to said inner side, and a filling hole formed in said cover member, in fluid communication with said receiving space, and extending through said  
10 outer side;

an elastic sealing member fitted within said filling hole; and

a heat transfer fluid disposed in said receiving space, wherein said elastic sealing member is pierceable to  
15 provide a passage for injection of said heat transfer fluid through said elastic sealing member, and is contractible to seal said passage.

2. The heat pipe as claimed in Claim 1, wherein said filling hole is formed as a blind hole which opens at  
20 said outer side and which has a closed end adjacent to said inner side, said cover member further having a seat part at said inner side to bound said closed end, said seat part having a first needle hole extending through said inner side and communicated with said blind hole.

25 3. The heat pipe as claimed in Claim 2, further comprising a securing member disposed fittingly in said blind hole and outwardly of said sealing member so as to press said

sealing member against said seat part.

4. The heat pipe as claimed in Claim 3, wherein said securing member is flush with said outer side of said cover member.

5 5. The heat pipe as claimed in Claim 3, wherein said blind hole has a cross-section which is gradually reduced from said outer side to said inner side.

6. The heat pipe as claimed in Claim 3, wherein said blind hole includes an inner part, an outer part having  
10 a cross-section greater than that of said inner part, and a shoulder formed between said inner and outer parts.

7. The heat pipe as claimed in Claim 6, wherein said securing member has a shape in conformity with that of said blind hole.

15 8. The heat pipe as claimed in Claim 3, wherein said securing member further has a second needle hole in alignment with said first needle hole.

9. The heat pipe as claimed in Claim 8, wherein said securing member further includes an insert piece  
20 disposed sealingly in said second needle hole.